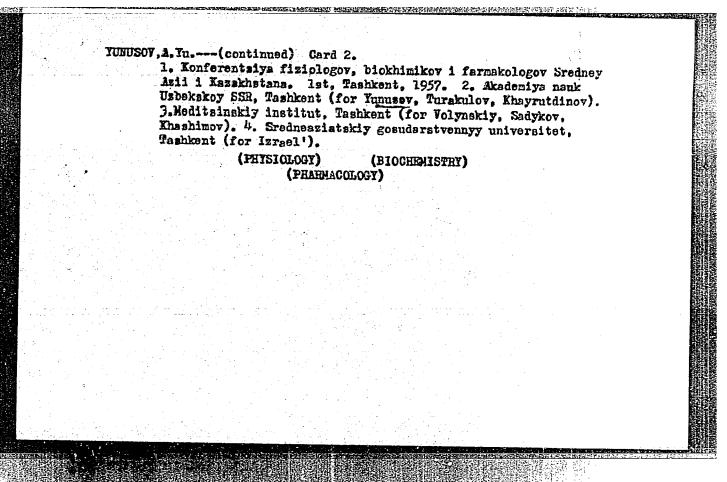


TUNUSOV, A. Tu., akademik, otv. red.; VOLYNSKIY, A.S., prof., red.; INRAKL',
A.I., prof.; red.; KAMILOV, I.K., kand., red.; KRYZHENKOV, A.H., kand.
biol, nauk; red.; SADIKOV, A.S., prof., red.; SASATOV, R.S., kand.
med.nauk, red.; TUNAKULOV, Ya.Kh.; kand.biol.nauk, red.; KHAYHUTDINOV, Kh.Sh., kand.biol.nauk; red.; KHASHIMOV, A.Kh., prof., red.;
YAKOVENKO, Te.P., red.izd-va; SHARIKOVA, V.P., tekhn.red.

[Papers from the First Conference of Physiologists, Biochemists, and Pharmacologists of Central Asia and Kazakhstan] Materialy I Konferentsii fiziologov, biokhimikov i farmakologov Srednei Azii i Kazakhstana.

Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1958. 647 p. (MIRA 12:3)

(Continued on next card)



YUHUSOV, A.Yu.; TURSUEOV, Z.T.; ZAKIROVA, V.S.

Effect of some liquids on the blood in cases of high temperature and dehydration of the body. Izv. AN Uz. SSR. Ser. med. no.1:11-21 (HIRA 12:7)

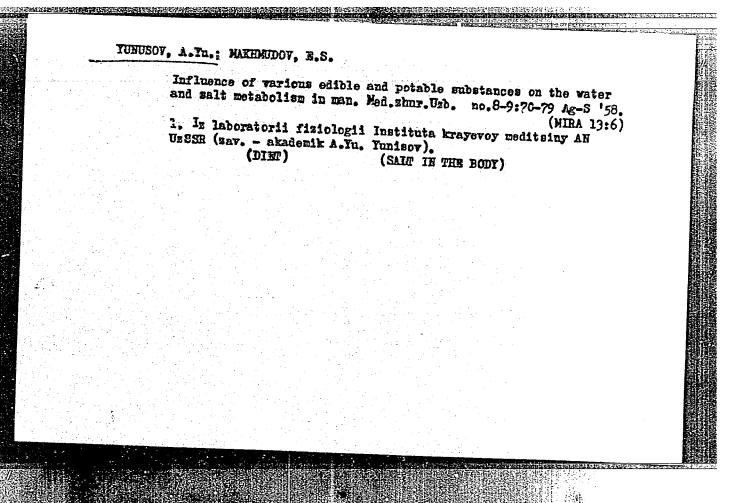
1. Institut krayevoy meditsiny AN UESSR. (ELOOD—ANALYSIS AND CHEMISTRY). (HEAT—PHYSICIDOICAL EFFECT)

YUNUSOV, A.Yu.; HAXHRUDOV, E.S.; VAKHIDOVA, R.T.

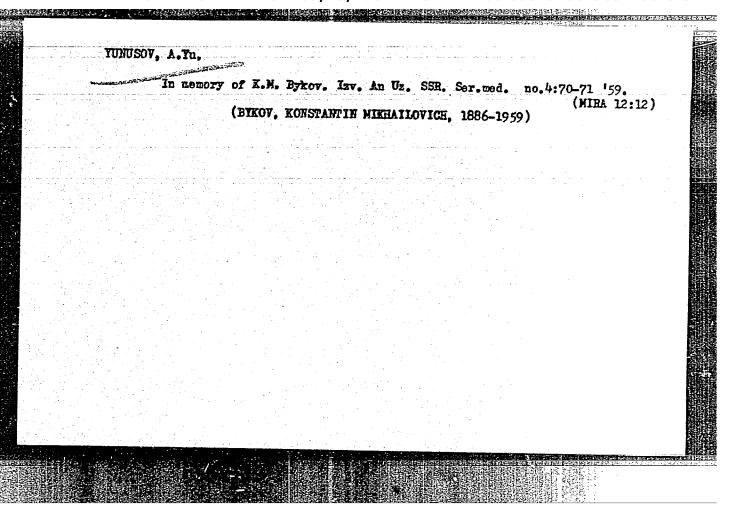
Bffect of a predominantly protein and carbohydrate diet on salt and water metabolism at high temperatures. Izv.AN Uz. SSR. Ser.med. no.2:35-44 158. (MIRA 12:5)

1. Institut krayevoy meditsiny AN UzSSR.
(BLOOD--ANALYSIS AND CHEMISTRY) (SALT IN THE BODY) (DIET)
(HEAT--PHYSIOLOGICAL EFFECT)

Functional changes in the digestive organs at high temperatures. Izv.AN Uz.SSR.Ser.med. no.6:9-19 '58. (NIRA 12:5)					
1. AN UZSSR. 2. Labora meditainy AN UZSSR. (DIGESTIVE ORGANS)	toriya fiziologii Instituta krayevoy (HEATPHYSICLOGICAL EFFECT)	!			
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TUNUSOV, A.Yu., akademik; VAXHIDOVA, R.T.

41

Effect of stimulation of intercoeptors of the digestive tract on the saline composition of the blood. Izv. AH Uz.SSR. Ser.med. no.4:3-8
159. (MIRA 12:12)

1. AN UZSSR (for Yunusov). 2. Institut krayevoy meditsiny AN UZSSR. (DIGESTIVE ORGANS) (BLOOD--ANALYSIS AND CHEMISTRY) (REFLEXES)

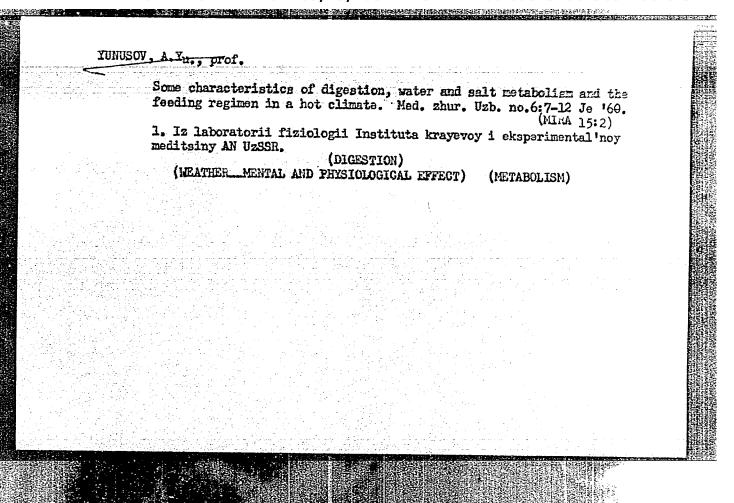
YUNUSOV, A,Yu., prof., akademik

Finth All-Union Congress of Physiologists, Biochemists and Pharmacologists, Izv.AN Uz.SSR.Ser.med. no.5187 '59.

(MIRA 13:3)

1. AN UzSSR.

(PHYSIOLOGY—COMPRESSES)



TURAKULOV, Ya.Kh.; YUNUSOV, A.Yu., doktor med. nauk, otv. red.;
MEREZHINSKIY, M.V., prof., retsenzent; TENNOVSKAYA, R.M., red.; KARABAYEVA, Kh.U., tekhn. red. [Biochamistry of thyroid hormones in healthy and pathological states] Biokhimila gormonov shchitovidnoi zhelezy v norme i pri tireoidnoi patologii. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 221 r. (MIRA 15:7) (THYROID HORMONES) (THYROID GLAND-DISEASES)

CIA-RDP86-00513R001963120019-9" APPROVED FOR RELEASE: 03/15/2001

YUNUSOV, A.Yu.1 TURSUNOV, Z.T.

Neural regulation of the blood under conditions of high temperature.

Med. zhur. Usb. no.2:53-59 F *62. (MIRA 15:4)

1. Iz Instituta krayovoy meditsiny AMN UzSSR.

(NERVOUS SYSTEM) (HEAT—PHYSIOLOGICAL EFFECT)

(BLOOD)

YUNUSOV, A.Yu.; RUSINOVA, G.I., red.; AGZAMOV, K., tekhn. red.

[Physiology of the blood in man and animals in a hot climate]
Fiziologiia krovi cheloveka i zhivotnykh v zharkom klimate.
Tashkent, Medgiz, UzSSR, 1961. 207 p. (MIRA 15:11)
(BLOOD—ANALYSIS AND CHEMISTRY)
(HEAT—PHYSIOLOGICAL EFFECT)

YUNUSOV, A. YU.

" Water-salt metabolism in a hot climate "

report submitted for the UNESCO/India Symposium on Environmental Physiology and Psychology in Arid Conditions, Lucknew, India 7-13 Dec 62

YURUSOV, A.Yu.; KOROT'KO, G.F.; SHRAMKOVA, G.A., red.; TSAY, A.A., tekhm. red.

[Functions of the digestive organs in a hot climate]Funktsii organov pishchevareniia v zharkom klimate. Tashkent, Modgiz UzSSSR, 1962. 223 p. (MIRA 15:11) (DIGESTION) (HEAT—PHYSIOLOGICAL EFFECT)

YUNUSOV, A.Yu.; TURSUNOV, Z.T.

Cortical regulation of seasonal changes in the water and salt content of the organism. Uzb.biol.zhur.6 no.4:42-45:62.

(MIRA 16:7)

1. Institut krayevoy eksperimental noy meditsiny AN UzSSR.

(CEREERAL CORTEX) (METABOLISM)

YUNUSOV, A.Yn. Characteristics of water-salt metabolism and its regulation at high temperatures. Uzb. biol. zhur. 7 no.2:5-10163.(NH:A 16:8) 1. Institut krayevoy eksperimental'noy meditsiny AN UzSSR. (WATER HETABOLISM) (SALT IN THE BODY) (HEAT—PHYSIOLOGICAL EFFECT)

YUNUSOV, A.Yu.; TURSUNOV, Z.T.

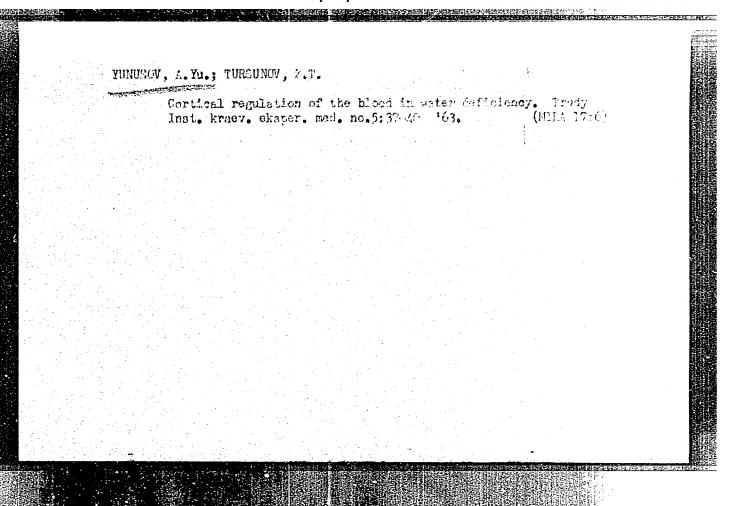
Effect of repeated action of high temperatures on water-salt metabolism. Uzb.biol.zhur. 7 no.2:11-15'63. (MIRA 16:8)

1. Institut krayevoy eksperimental noy meditalny AN UZSSR.
(WATER METABOLISM) (SALT IN THE BODY)
(HEAT—PHYSIOLOGICAL EFFECT)

TURAKULOV, Ya.Kh.; YUNUSOV, A.Yu., otv. red.; NURATDINOVA, M.R., red.; KARABAYEVA, Kh.U., tekhn. red.

[Biochemistry and pathological chemistry of the thyroid gland] Biokhimiia i patokhimiia shchitovidnoi zholezy.
Tashkent, Izd-vo AM Uzb.SSR, 1963. 403 p. (MIRA 17:3)

1. AN Uzb.SSR (for Yumisov).



YUNUSOV, A.Yu.; MIRZAKARIMOVA, M.G.

Content of mineral substances in the skin and muscles of dogs under the repeated effect of high temperature from solar irradiation. Uzb. biol. zhur. 8 no.6:32-36 '64.

(MIRA 18:3)

1. Uzbekskiy institut krayevoy meditsiny AMN SSSR.

YUNUSOV, A.Yu.; BELOVA, E.S.

Participation of digestive organs in the regulation of waterelectrolyte metabolism under various thermal conditions. Fiziol.
zhur. 51 no.3:378-383 Mr !65. (MIRA 18:5)

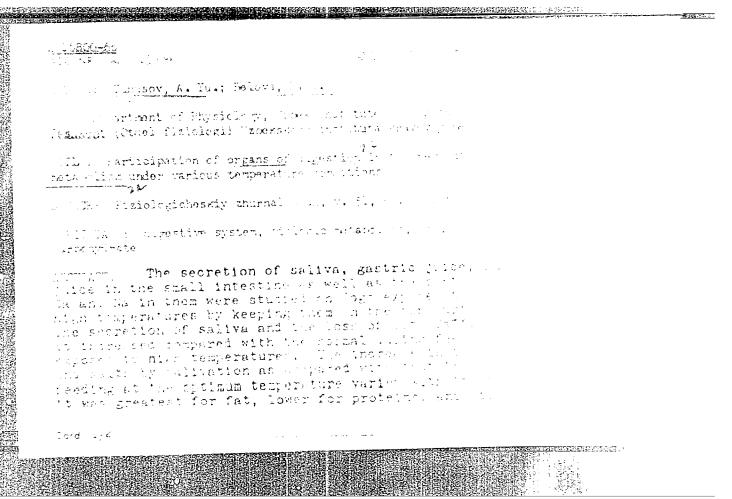
1. Otdel fiziologii Uzbekskogo instituta krayevoy meditsiny AMN
SSSR, Tashkent.

YUNUSOV, A.Yu.; RAKHIMOV, K.; SAFAROVA, S.N.

Anylolytic activity of the pancreas, liver and intestine under the conditions of high temperature and insolation. Uzb. biol. zhur. 9 no.4:25-28 '65. (MIRA 18:10)

1. Institut krayevoy meditsiny AMN SSSR.

YUNUSOV, A.Yu.; RAKHIMOV, K.; YAKUSH, Z.N. Some data on perivisceral and parietal digestion in the sneep intestines. Uzb. biol. zhur. 9 no.5:32-35 '65. (MIRA 18:10) 1. Uzbekskiy institut krayevoy meditsiny AMN SSSR 1 Uzbekskiy nauchno-issledovatel'skiy institut zhivotnovodstva.



74.800-66 ACC NR. AP6015954 mixed food. On the other hand, the secretion of which there H144777 and excretion of salts with it were reduced in the elevated temperature as compared with feeting gerature. This effect was lover for profession for fats or carbohydrates. Mixed firm proteins increased the secretion of intestinal [retion of salts with it at him. temperature. contemparates reduced them, consider small intestine in not weather with t the a normal condition by improving the property of the property of the design of the design of the condition of the design of the design of the condition of the design o and includelle processes. the nost favorable conditions from the of expossive losses of water and salts in hit weather are created by keeping inc. 172 mixed food. Orie. art. (.88) - formes. en till er te de sitt atten 1994 i 3 % Geller de

KHALEVIN, N.I.; YUNUSCV, F.F.

Using the elastic waves from commercial blasting in the Urals for sounding the earth's core. Izv. AN SSSR. Ser. geofiz. no.ll:1567-1573 N '62. (MIRA 15:11)

1. Ural'skiy filial A'! SSSR, Institut geofiziki.
(Ural Mountains Barth Internal structure)
(Elastic waves) (Blasting)

sov/123-59-14-55186

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 14, p 98 (USSR)

AUTHOR: Yunusey F.S.

TITLE: A Method of Determining the Optimum Values of Technological Characteristics

of Line Milling

PERIODICAL: Tr. Kazansk. aviats. in-ta, 1958, Vol 41, pp 75 - 89

ABSTRACT: Most of the blades of aircraft gas turbine engines are machined on copying milling machines of the OF-31 type with one spindle, or on the

OF-33 type with three spindles. A method is described to determine the optimum values for the quantity of lines, the width of lines, the distance

between the tracing rollers, and the diameter of rollers. 13 figures.

P.B.L.

Card 1/1

YUNUSOV, F. S.: Master Tech Sci (diss) -- "Investigation of the technological values of the 'short-line' method of working spatially complex surfaces".

Kazan', 1959. 17 pp (Min Higher Educ USSR, Kazan' Aviation Inst), 150 copies (KL, No 11, 1959, 121)

18,5200 2308,1045

5/147/60/000/003/018/018 E191/E481

文章 2018年 - 1918年 - 1918年 - 1918年 - 1918年 - 1918年 - 1918年

AUTHORS:

Yunusov, F.S. and Zhadin, G.P.

TITLE:

Computation of the Setting Up Dimensions in the Strip Method of Machining Double Curvature Surfaces

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1960, No.3, pp.135-143

Previously (Trudy KAI, Issue 41, Kazan, 1958), the senior author proposed a procedure for computing the machining dimensions for the strip method of milling of surfaces defined by coordinate points in reference cross-sections. In the present paper, a single computation procedure is presented applicable to intermediate and finish machining operations. The surface has one cross-section with the largest curvature, which is found by comparing all given parallel cross-sections. When the curve is replaced by a broken line deviating from it within the given tolerances, the equations of equi-distant curves separated from the nominal curve by the amount of the upper and lower limit deviations must be known. An allowance wis defined which contains the allowances for subsequent operations, errors of shape, setting up errors and other In intermediate operations, this quantity is manufacturing errors. Card 1/3

S/147/60/000/003/018/018 E191/E481

Computation of the Setting Up Dimensions in the Strip Method of Machining Double Curvature Surfaces

added in the direction of increasing size to the lower and upper limit curves. In the finish machining operation, the appropriate value of this quantity is struck in the direction of reducing the size from the upper limit curve. The so-called reference deviations are the result of adding (each with its appropriate sign) the upper or lower tolerance and the allowance quantity. An analysis is given leading to the computation of various machining dimensions when a given double curvature surface has to be machined within a given tolerance. First, the given curve is replaced by a broken line consisting of equal length sections. Then the method is extended to the case of a broken line with unequal lengths of its sections. It is stated that the proposed method of computation was tested experimentally under workshop conditions in its application to the machining of blades of a production aviation turbine. It is claimed that the machine time was reduced by 60% due to a reduction in the number of passes and the elimination of a turning operation (thus also saving the tooling up of a copying lathe). A numerical example is given in which the Card 2/3

S/147/60/000/003/018/018 E191/E481

Computation of the Setting Up Dimensions in the Strip Method of Machining Double Curvature Surfaces

number of strips (passes) the width of the strip, the distances between tracer rollers and the diameter of the tracer roller are computed for the aerofoil part of a gas turbine blade specified by coordinate points in reference cross-sections in terms of a rectangular coordinate frame. For surfaces with a convex longitudinal cross-section, the limit should be given in terms of minimum metal and for surfaces with a concave longitudinal cross-section, in terms of maximum metal. There are 4 figures, 1 table and 3 Soviet references.

ASSOCIATION: Kazanskiy aviatsionnyy institut Kafedra proizvodatva aviadvigateley (<u>Kazan Aviation Institute</u>, Chair of Aircraft Production)

SUBMITTED: May, 4, 1960

Card 3/3

WUNDSOY, F.S., kand.tekhn.nauk Brows in the blade point caused by changes in cutting-tool diameters in milling. Izv.vys.ucheb.zav.; mashinostr. no.5; 112-119 '60. (MIRA 13:7) 1. Kazanskiy aviatsionnyy institut. (Metal cutting)

8/145/60/000/009/014/017

1.1100

D221/D304

AUTHORS:

Zhadin, G.P.; Candidate of Technical Sciences, Docent, Troyanskiy, N.S., Senior Instructor and Yunusov, F.S.,

Candidate of Technical Sciences

TITLE

Calculation of angle of rotation of the workpiece in a pass for machine tools, type Ju -1 (LSh-1)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Mashino-stroyeniye, no. 9, 1960, 136 - 141

TEXT: When machining of non-circular surfaces by longitudinal passes, feed is ensured either by parallel motion to one of the axes of coordinates, or by rotation around the axis of holder. In the first arrangement, machining is based on the composition of the liest arrangement, machining is pased on the composition of three simultaneous elementary motions. One determines the speed of machining, the second - the feed, and the third forms the tracer machining, the second by the template. Each of these motions is feed which is determined by the template. simple in itself, whereas the resulting displacement is involved. These machine tools are usually provided with a constant feed per

Card 1/4

30258 S/145/60/000/009/014/017 D221/D304

Calculation of angle of ...

pass which reduces their efficiency, but allows, however, the use of one template (cam) only. The maximum angle of rise in the profile of workpiece is taken as a base to ensure machining within the allowed limit. Similarly, in the case of machines with rotary feed (Fig. 2), the magnitude of angle a of rotation around axis of holder should be set over the most distant part of the surface. The template is placed on the common horizontal axis 2 to ensure the production of specified form of the workpiece 1. The former is in permanent contact with tracer follower, and executes together with it a reciprocating motion. To determine α it is necessary to have two positions of cutting tool at a distance which would ensure that roughness between passes would not exceed the allowance The author then gives a mathematical analysis which results in a graph relating α and the diameter of tool d, radius of rotation ρ and δ . Consequently, when the latter quantities are specified, it is possible to determine the angle of rotation per pass α , when machining discrepancies will not exceed the allowed limit. The choice of two extreme sections is due to the usual specification of calculated sections for involved surfaces, such as gas turbine Card 2/#

5/145/60/000/009/014/017 D221/D304

Calculation of angle of ...

blades etc. The most advantageous position of the axis of rotation of holder (or component) is determined by tracing through three maximum distant profiles of the workplece M₁, M₂ and M₃ (Fig. 5) a circle with radius ρ and coordinates of its center 0_1^{\prime} - x_0 and y_0 . A set of equations determines these quantities. A numerical example follows the above. Calculations for a slightly twisted surface indicate a marked difference in the angle α which increases with very twisted shapes. This is examplified by existing machines, where this angle is less than 6°. There are 5 figures and 1 table.

ASSOCIATION: Kazanskiy aviatsionnyy institut (Kazan Aviation

Institute)

April 12, 1960 SUBMITTED:

Card 3/4/3

CIA-RDP86-00513R001963120019-9" **APPROVED FOR RELEASE: 03/15/2001**

32027 s/145/60/000/005/009/010

1.1100

F.S. Yunusov, Candidate of Technical Sciences

AUTHOR: TITLE:

Inaccuracies in the foil of a blade as a function

of the diameter of the milling cutter

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroy-

eniye, no. 5, 1960, 112 - 119

Fig. 1 indicates the distortion of a specified profile due to changes of the initial diameter of the milling cutter. The maximum error takes place at the edges. To produce components within the allowed limits of error it is necessary to find the effect of cutter diameter on the accuracy, as well as the minimum diameter for regrinding of the cutter. Assuming an allowance along the normal, the limit of regrinding is given by r_{1m} = r_m - 8, where r_{1m} is the tool

radius after sharpening, and rm is the radius before grinding. After sharpening, the center of the milling cutter must be shifted by 6 in order to bring it into contact with the workpiece. This shift is given

32027 S/145/60/000/005/009/010 D221/D301

Inaccuracies in the foil ...

where R is the radius of the contour curvature at the given point. The actual profile of the workpiece produced by the shift of center of the tool with the changed diameter is

with the changed distance
$$x_0 = x + \frac{r_{1f} \cdot f'(x)}{\sqrt{1 + f'^2(x)}}, \quad y_0 = y_0 + \frac{r_{1f}}{\sqrt{1 + f'^2(x)}}, \quad y_0$$

where Y = Y ± & . On portions of profile beyond the contact point of restarted milling with the reground tool, the inaccuracy will be due to change in the initial diameter of the milling cutter. The distance between the intersection points of the normal with the required and actual profile will respresent the machining error at the given point

Card 2/7/

32027 \$/145/60/000/005/009/010 D221/D301

Inaccuracies in the foil ...

 $\Delta = \sqrt{(x-x_0)^2 + (y-y_0)^2}$ This error can be determined when the radius of curvature of the profile is known. In the above, x,y and x₀, y₀ are the coordinates of points M and M₀ of Fig. 3. The inaccuracy of the specified profile at point M is evaluated from the triangle 00, M₀ by

$$\Delta = -\left(\mathbb{R}_{pr} + \mathbf{E} \cos \alpha\right) \stackrel{!}{=} \sqrt{\left(\mathbb{R}_{pr} + \Delta r\right)^2 - \mathbf{E}^2 \sin^2 \alpha} \tag{10}$$

The machining error after tool sharpening is obtained if the angle of inclination of the curve is known. In the case of twisted components, or workpiece with variable cross section, both the root section and the neutral section angles are considered. The profile obtained depends within limits on the correct choice of tracer follower and the diameter of the milling cutter. The final form of the error equation is

$$\Delta = \frac{R\Delta r(1 - \cos \alpha)}{R+\Delta r \cdot \cos \alpha}$$

Card 3/7./

Inaccuracies in the foil ...

\$/145/60/000/005/009/010 D221/D301

The limit diameter of the milling cutter, d_{1m} which ensures a profile within the permitted limits is given by

 $d_{1m} = d_m - \frac{28}{1 - \cos \alpha}$

A numerical example is given. Further use of the reground tool should be made possible by a corresponding change of followers. The established limit of regrinding of the cutter permits reduction of the sets of tracers, and an increase in the operating time of the milling machine There are 5 figures, 1 table and 4 Soviet-bloc references.

ASSOCIATION:

Kazanskiy aviatsionnyy institut (Kazan' Aviation

SUBMITTED:

April 25, 1959

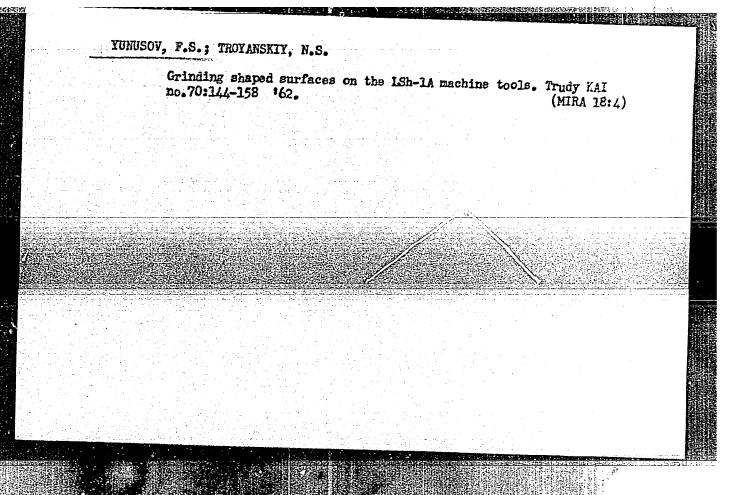
Card 4/7/

TUNUSOV, F.S., kand.tekhn.nauk, dotsent; TROYANSKIY, N.S., starshiy

prepodavatel;

Calculating dimensions of the operating and follow-up rollers of the ISb-1 machine tools. Izv.vys.ucheb.zav.; mashinostr. no.6:102(MIRA 15:11)

1, Kazanskiy aviatsionnyy institut.
(Grinding machines)



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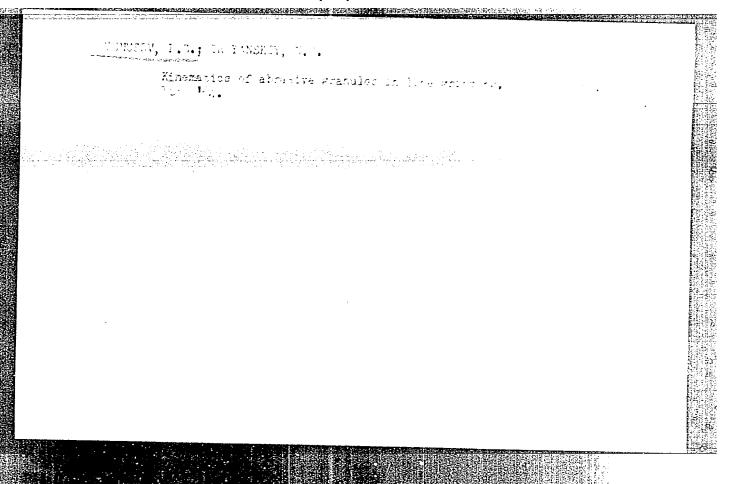
YUNUSOV, F.S., kand.takhn.nauk, dotzent; TROYANGIY, N.S., starshiy prepodavatel

Effect of contact pressure in machining on special-purpose bandgrinding machines. Izv.vys.ucheb.zav.; mashinostr. no.6:172-181 '63. (MIRA 16:10)

1. Kazanskiy aviatsionnyy institut.

TUNUSOV, F.S.; TROYANSKIY, N.S.

Theoretical investigation of metal chip thickness in grinding a flat surface by the longitudinal line method. Trudy KAI no.74; 50-57 '63. (MIRA 17:2)





ACCESSION NR: AP5010373

cutting force, which plays the major part in producing the the forcemberg cutting force equation as given by A. M. Hemenberg (Elementy teorii protessa rezamiya metallow, Machgin, 1951) where F' - cross section of chip cut by one abrasive part in outting, k - coefficient depending on the chip position, frontal angle). After modifying the equation to include the abrasive particles, a set of lengthy equations is derived to calculate the outting force as a function of tool, work, and

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L 45600-66 EWI(d)/EWI(1)/EWP(a)/EWI(m)/EWP(v)/EWP(k)/EWP(h)/EWP(1)AT6014332 SOURCE CODE: UR/2529/62/000/070/0144/0158 Yunusov, F. S.; Troyanskiy, N. S. ORG: None TITLE: Grinding complex surfaces on the ISh-1A grinder SOURCE: Kazan. Aviatsionnyy institut. Trudy, no. 70, 1962. Aviatsionnaya tekhnologiya i organizatsiya proizvodstva (Aviation engineering and organization of production), 144-158 TOPIC TAGS: abrasive, grinding, grinding machine, shaping device ABSTRACT: The authors discuss various problems encountered in using an abrasive band for grinding three-dimensional complex shapes. The abrasive band is an elastic instrument whose work capacity depends on contact with the machined surface. Band grinding is normally accomplished by using a working contact-roller with a radial generatrix. The abrasive band passes over the working roller and conforms to its shape. However, in machining noncircular surfaces, contact between the abrasive band and the roller varies. As a result of this, the cutting angle, chip cross section and stresses vary, These changes in the abrasive band produce uneven elongation and destruction of the binding and abrasive. To avoid this a rotatable grinding head has been introduced. Rotatable heads ensure a right angle between the axis of rotation of the working roller Card 1/2

I. 45600-66

and the normal to the machined surface. The kinematic diagram of special machine tools equipped with rotatable grinding heads does not differ from that for the LSh-1A special duplicating-grinder equipped with a swinging head. The authors consider the kinematic diagram of the grinding head assembly for this machine. The kinematic and hydraulic diagrams for this unit are given. The grinding head for this unit swings about the axis of the working roller. Particular attention is paid to the working contactroller which is the basis of productivity and maximum efficiency of the abrasive band. Abrasive band photographs are given for bands used with and without grinding heads. An analysis of all of these factors may be used to determine the optimum dimensions for the eccentric and the shape of the machined part. The dimensions of the grinding head assembly are also determined. The optimum generatrix of the working roller is determined and the shape of the machined product is taken into account along with the roller width, depth of grinding and the swing angle of the grinding head. All of these factors contribute to maximum utilization of the abrasive band and the machine tool. The results of this analysis also show that an additional gear should be added in the kinematic chain for machining both convex and concave shapes. Orig. art. has: 7 figures, 23 formulas.

SUB CODE: 13/ SUBM DATE: 15Mar61/ ORIG REF:

CIA-RDP86-00513R001963120019-9" APPROVED FOR RELEASE: 03/15/2001

CABRIYELIYANTS, G.A., glav. red.; AZIZKHANOV, D.A., red.; VENCHRSKIY, V.M., red.; YEREMENKO, V.Ye., red.; YERSHOVA, Ye.M., red.; ZINIH, T.G., red.; KOVYNEV, N.P., red.; RAKHMANKULOV, E.M., red.; SLIVKIH, LZ., red.; TIKHCMIROV, A.I., red.; YUMUSOV, F.IU., Geroy Sotsialisticheskogo Truda, red.; AKRAROV, A., red.; BAKHTIYAROV, A., tekhn. red.

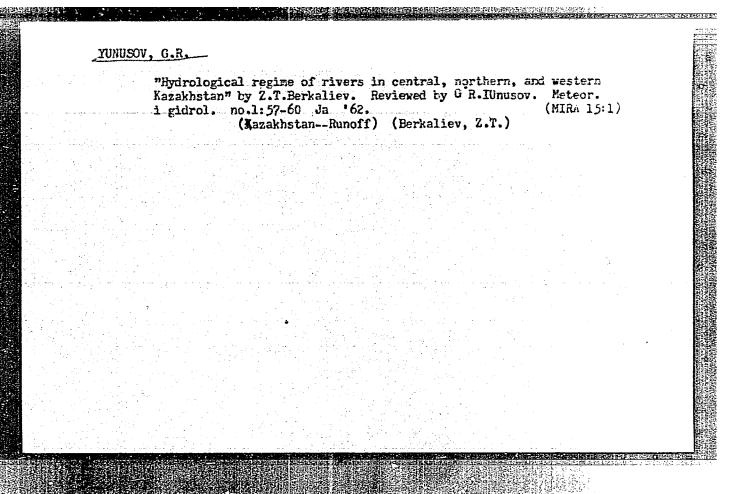
[Materials of the Conference of Agricultural Workers of Central Asia, Azerbaijan, and Southern Areas of Kazakhstan] Materialy Soveshchaniya rabotnikov sel'skogo khozyaystva respublik Sredney Azii, Azerbaidzhana i iuzhnykh oblastei Kazakhstana, Tashkent, 1961. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962.
358 p.(Za rabotu, tovarishchi khlopkoroby!) (MIRA 15:3)

1. Soveshchaniye rabotnikov sel'skogo khozyaystva respublik Sredney Azii, Azerbaydzhana i yuzhnykh oblastey Kazakhstana, Tashkent, 1961. 2. Predsedatel' kolkhoza imeni Karla Marksa Oshskogo rayona Kirgizskoy SSR (for Yumusov).

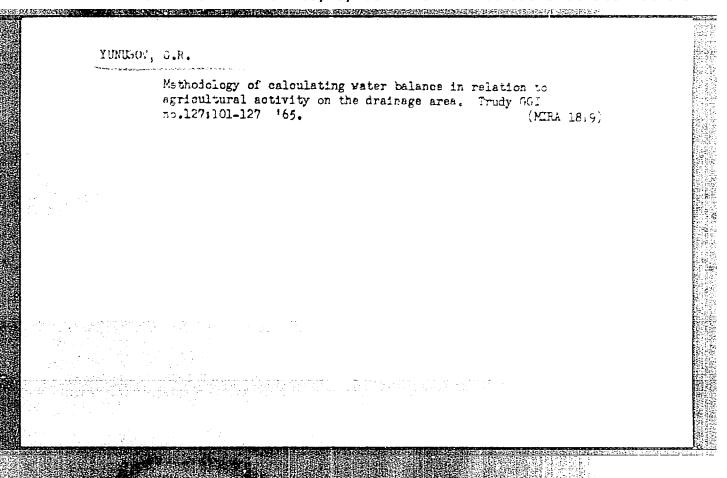
(Soviet Central Asia—Agricultural workers)

(Azerbaijan—Agricultural workers)

(Kazakhstan—Agricultural workers)



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YUNUSOV, I. Kh.

Yunusov, I. Rh. -- "Working cut a Rational Method of Cleaning Out Massive Sand Plugs and Reaming (razburivaniye) the Cement Terminal Portions of the Boreholes with a Mine-Tage Engine of Small Overall Dimensions." Acad Sci USSR, Inst of Petroleum, Moscow, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 24, Moscow, Jun 55, pp 91-104

YUNUSOV, I. Kh.; MES'MAN, B.I., red.; MIKELADZE, G., red. izd-ve,; AGAYEVA,
Sh., tekhn. red.

[Removing compact aand corks and drilling bootlegs by small bottom-hole drives] Chistka plotnykh peschanykh probok i razburivanie tsementnykh stakanov zaboinym dvigatelem melykh gabaritov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1958. 69 p. (MIRA 11:12)

(Oil wells -- Repairing)

GEORGADZE, I.M., IUNUSOV, Kh.Ya.

Discovery of a uterus in inguinal hernia in a male. Entrurgita no.2:68 F 155. (MRA 8:5)

1. Knirurgicheskaya klinika Tashkentskogo meditsinskogo instituta imeni V.M.Molotova i Institut perelivaniya krovi Uzbekskoy SSR. (HERNIA, INGUINAL, complications,

hermaphroditism, uterus in hernia in male) (HERMAPHRODITISM, complications,

hernia, inguinal, uterus in hernia in male)

YUNUSOV, L.

"Structural-Mechanical and Colloid-Chemical Investigations of the Takyrs (claylike substances) of Turkmen SSR." Cand Chem Sci, Inst of Chemistry, Acad Sci Uzbek SSR, 29 Dec 54. (PV, 17 Dec 54)

Survey of Scientific and technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

	Absorption of water by takyrs of the Turkmen S.S.R. Dokl. AH Uz.SSR no.8:37-39 '59. (MIRA 12:11)
	1. Sredneziatskiy gosuniversitet im. V.K.Lenina. Predstavleno chlenom-korrespondentom AN UZSSR Kh.U.Usmanovym. (TurkmanTalyr) (Soil percolation)
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	화면 아이트 회사를 가면 화가가 살았다면 모네요.
	사이트 그는 살림이 나가 가능한 경험을 받는 것이 없는 것이 없었다.
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	화면 책임자 한 경마는 그리는 그림에 나가 가까지 하는 방안하다면 그는 아니라는 그는 그를 가는 것이다.

STARODUBTSEV, S.v.; YUNUSOV, M.

Fiffact of gamma rays on ruby fluorescence yield. Izv. AN Uz.

SSE. Ser. fiz.-mat. nauk 9 no.1:111-113 '65. (MURA _8:6)

1. Institut yadernoy fiziki AN UzSSR.

5.2200 1043, 1160, 1136

\$/078/61/006/006/002/013 B110/B206

AUTHORS:

Glukhov, I. A., Davidyants, S. B., Yunusov, M. A., Yel'manova, N. A.

TITLE:

Chlorination mechanism of rhenium heptasulfide RepS7

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 6, 1961, 1264-1266

The authors wanted to determine some intermediate stages of the rhenium heptasulfide chlorination: $ReS_2 \rightarrow ... \rightarrow ReSC1_2 \rightarrow ReC1_4 \rightarrow ReC1_5$. It was obvious to suppose (Ref. 1: S. B. Davidyants et. al: Tr. Akademii nauk Tadzh. SSR, 1958, v. 34, no. 2, p. 105) that besides these known stages between ReS2 and ReSC12, the intermediate product ReS2Cl2 was formed. Saturated sulfides (e.g., that of rhenium) react readily with free chlorine, while saturated oxides react only at red heat.

S=Me=S+Cl2->S=Me-S forms probably in this connection under opening of the first double bond, followed by the opening of the second one. Only

Card 1/4

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Chlorination mechanism of rhenium ...

S/078/61/006/006/002/013 B110/B206

substitution is possible for saturated Re2S7. As the valence of Re drops from 7 (Re₂S₇) to 5 (ReCl₅), the reaction must take its course over a number of intermediates. The synthetic Re2S7 reacts with chlorine already at low temperatures. It should therefore be possible to observe a number of unstable intermediates under mild reaction conditions. Re2S7 was produced by precipitation of a potassium perrhenate solution with ammonium sulfide (8% sulfide sulfur). After washing out by decenting with hot hydrochloric acid (70-80 ml concentrated HCl to 1 1 H20), drying took place at 160°C in a CO2 current. In order to prevent exothermic heating, a dry chlorine-carbon dioxide mixture (Cl:CO2 = 1:5) was conveyed through 3-5 g Re₂S₇ in an electric glass furnace. The optimum temperature was established to be around 120°C during experiments at temperatures between 25 and 180°C. At lower temperatures, chlorination did not proceed quantitatively, and at higher ones, the intermediates were chlorinated further. In the CO, current, the water was first totally removed, then Card 2/4

23076 s/078/61/006/006/002/013 B110/B206

Chlorination mechanism of rhenium ...

Card 3/4

the C1-CO2 mixture was introduced at a rate of 0.2 1/hr for 1-1.5 hr at 100°C, and for 2-3 hr at 120°C under development of sulfur chlorides. intermediate obtained was well soluble in water and alcohol in contrast to the final product, thus making it possible to control the completeness of chlorination. The elementary analysis produced as the average of three investigations: Re = 61.12; S = 15.29; Cl = 22.37%, which agreed with the calculated values for Re₂S₃Cl₄. The rhenium thiochloride formed probably according to Re2S7 + 4Cl2 = Re2S3Cl4 + 2 S2Cl2. is an amorphous (established roentgenographically), dark-brown powder, well soluble in water and ethyl alcohol, insoluble in gasoline, chloroform and ether. When its aqueous solution is acidified, alkalized and boiled, hydrolysis takes place under formation of a flaky, dark-brown precipitate and formation of hydrochloric acid. It is exidized in alkaline solution by bromine, chlorine and perhydrol to alkali perrhenate. In order to investigate its further reactions, dry chlorine gas was introduced at 400-450°C. ReClg and sulfur chloride were formed thereby. Toward the end of reaction, the furnace was kept for one hr at 400°C. A light-brown powdery residue was then formed.

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Chlorination mechanism of rhenium ...

S/078/61/006/006/002/013 B110/B206

Its analysis produced the thiochloride of tetravalent rhenium ReSCl_2 , the analysis results of which in %: $\operatorname{Re} = 63.91$; $\operatorname{S} = 10.56$; $\operatorname{Cl} = 23.71$ agree well with the calculated values. Thus, the same intermediate thiochloride product forms during the chlorination of $\operatorname{Re}_2\operatorname{S}_3\operatorname{Cl}_4$ between 400 and 500°C and during the chlorination of ReS_2 : $\operatorname{2ReS}_2 + 3 \operatorname{Cl}_2 = 2 \operatorname{ReSCl}_2 + \operatorname{S}_2\operatorname{Cl}_2$ and $\operatorname{2Re}_2\operatorname{S}_3\operatorname{Cl}_4 + \operatorname{Cl}_2 = 4 \operatorname{ReSCl}_2 + \operatorname{S}_2\operatorname{Cl}_2$. Further chlorination of ReSCl_2 at 450-500°C leads to the formation of volatile ReCl_5 , which concludes the chlorination process: $\operatorname{2ReSCl}_2 + 4 \operatorname{Cl}_2 = 2 \operatorname{ReCl}_5 + \operatorname{S}_2\operatorname{Cl}_2$. The entire chlorination process of $\operatorname{Re}_2\operatorname{S}_7$ proceeds in the following way: $\operatorname{Re}_2\operatorname{S}_7 \longrightarrow \operatorname{Re}_2\operatorname{S}_3\operatorname{Cl}_4 \longrightarrow \cdots \longrightarrow \operatorname{ReSCl}_2 \longrightarrow \operatorname{ReCl}_4 \longrightarrow \operatorname{ReCl}_5$. The separated thiochlorides will be studied in more detail at a later date. There are 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc.

SUBMITTED:

May 18, 1960

Card 4/4

S/078/63/008/001/010/026 B101/B186

AUTHORS:

Glukhov, I. A., Davidpants, S. B., Yel'manova, N. A., Yunusov, H. A.

TITLE:

Synthesis of rhenium sulfides and oxysulfides from rhenium thiochlorides

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 8, no. 1, 1963, 94-95

TEXT: The synthesis of the hitherto unknown compounds ReS, Re₂S₃, ReOS and Re₂S₃O₂ is described. ReS was obtained by heating ReSCl₂ in a current of hydrogen. The liberation of HCl begins at 350°C. After 1.5 to 2 hr the substance is heated at 500°C until no HCl can be traced in the H₂. In the same way, Re₂S₃ is obtained from Re₂S₃Cl₄. Both substances are steel gray powders which do not change in air and are more stable towards perhydrol and bromine water than Re₂S₇ and ReS₂. From the blurred Debye patterns it is concluded that the synthetized sulfides are cryptocrystalline. ReOS and Re₂S₃O₂ were obtained from ReSCl₂ and Re₂S₃Cl₄, respectively, by heating at Card 1/2

Synthesis of rhenium sulfides.

\$/078/63/008/001/010/026

350 to 500°C in water-vapor-containing CO2. The reaction is terminated in 2 hr. The oxysulfides are black, amorphous powders.

ASSOCIATION: Institut khimii Akademii nauk Tadzhikekov SSR (Institute of Chemistry of the Academy of Sciences Tadzhikakaya SSR)

SUBMITTED:

April 5, 1962

Card 2/2

GLUKHOV, I.A.; DAVIDYANTS, S.B.; YEL'MANOVA, N.A.; YUNUSOV, M.A.

Preparation of sulfides and oxysulfides from rhenium sulfochlorides. Zhur.neorg.khim. 8 no.1:94-95 Ja '63.

(MIRA 16:5)

1. Institut khimii AN Tadzhikskoy SSR. (Rhenium sulfides)

YUNUSOV, M. R., CAND BIO SCI, "STUDY OF SUCCESSION OF
CERTAIN TRAITS AND CHARACTERISTICS IN CROSSING GYMNOSPERMOUS
AND ANDIOSPERMOUS FORMS OF THE COTTON PERMY." TASHKENT, 1961.

(ACAD SCI TASSR, DEPT OF AGR AND BIO SCI). (KL, 3-61, 212).

159

NOVITSKIY, K.Yu.; MUR"YEV, Yh.K.; ZHINGAREVA, V.N.; YUNUSOV, M.S.

Furan series. Part 28: Synthesis of \$5-bis(\$-dialkylaminoethyl)
furans. Zhur.ob.khim. 33 no.7:2264-2167 Jl '63. (MURA 16:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.

(Furan)

SHARONOV, L.V.; YUNUSOV, M.A.

New data on the geological structure and oil occurrances of reef massifs in the zone of Kama-Kinel' troughs (Perm Province and the Bashkir A.S.S.R.). Neftegaz. geol. i geofiz. no. 10: 8-11 '65. (MIRA 18:12)

1. Kamakiy filial Vsesoyuznogo nauchno-issledovatel skogo geologorazvedochnogo neftyanogo instituta, Moskva, i Ufimskiy neftyanoy nauchno-isaledovatel skiy institut.

AZIMOV, S.A.; MASAGUTOV, V.S.; YUNUSOV, M.

Generating V^D particles in complex nuclei. Izv. AM Uz. SSR. Ser.
fiz.-mot.nauk no.4:13-22 '58. (MIRA 11:11)

1. Fiziko-tekhnicheskiy instityt AM Uz. SSR.
(Hunlear physics)

ACCESSION NR: AP4025901

\$/0166/64/000/001/0092/0094

AUTHOR: Starodubtsev, S. V.; Yunusov, M. S.

TITLE: The effect of y-irradiation on some optical properties of synthetic ruby

SOURCE: AN UZSSR. Izv. Seriya fiziko-matematicheskikh nauk, no. 1, 1964, 92-94

TOPIC TAGS: laser, ruby laser, ruby crystal, gamma irradiation, gamma ray, ruby color center, ruby crystal defect, irradiated ruby

ABSTRACT: In connection with the laser applications of ruby crystals, pink ruby crystals containing 0.2% Cr203 were studied to determine the formation and stability of color centers as a function of y-irradiation. The dose rate from a Co⁶⁰ source at 34C was 350 r/sec. The ruby absorption spectrum changes markedly in the visible and ultraviolet regions of the spectrum, beginning with irradiation doses of about 10³ r. In the red region, this dose causes an increase in density which remains constant regardless of any further rise in irradiation dosage. Marked color saturation was observed at 10⁶ r. The thermoluminescence temperature curve, plotted from room temperature to 500C, has a wide

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UBMITTED: 10Dec63	DATE ACQ: 17Apr64	ENCL:	00
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L 17686-65 EWT(1)/EMP(e)/EWT(a)/EPP(c)/EPP(c-)/EMP(A)/EMP(a)/EMP(

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AUTHOR: Vereshchagin, L. 7. (Corresponding fixed)
Starodubtsev, S. V. (Academician AN UNSSE); Year

TITLE: Coloring and luminescence of y-ray-litter

SOURCE: AN SSSR. Dokladyk, v. 159, no. 2, 1903

TOPIC TAGS: synthetic ruby crystal, ruby, games apactrum, gamma ray irradiation, pleochroism, colditatermoluminescence, paramagnetic resonance, absorta

ABSTRACT: Crystals of light-rose synthetic ruby 100.2.

0.2-- 0.4% Cr₂0₃ were irradiated with y-rays at a source 150 r/sec and a source temperature of 34°. The absence of ordinary and extraordinary rays was measured by a so

Card 1/3

L 17686-65 ACCESSION NR: AP4049490

region, which remains virtually unchanged at higher doses, chroism appears in the 420 -- 530 mm region and increases increase in dose. At doses on the order of 106 r, there increase in dose. At doses on the order of 106 r, there increase in dose. At doses on the order of 106 r, there increase in dose. At doses on the order of 106 r, there increase in dose, at doses on the order of 106 r, there increase in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there increases in dose, at doses on the order of 106 r, there in dose, at doses on the order of 106 r, there in dose, at doses on the order of 106 r, there in dose, at doses on the order of 106 r, there is dose, at doses on the order of 106 r, there is dose, at doses on the order of 106 r, there is dose, at doses on the order of 106 r, there is dose or the order of 106 r, there is dose, at doses on the order of 106 r, there is dose or the order of 106 r, there is dose, at dose or the order of 106 r, there is dose or the order of 106 r, there is dose or the order of

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ACCESSION NR: AP4049480

sition $1/2 \leftrightarrow -1/2$ is more sensitive to irradiation for due to transitions $-1/2 \leftrightarrow 1/2$. Orig. art. has

ASSOCIATIONS: Institut fiziki vy*sokikh davlenis (Institute of Physics of High Pressures, Academy of Institut yadernoy fiziki Akademii nauk UzSSR (Institut

NO REP SOV: 002 OTHER: 005 ATTEMPT

Cord 3/3

L 11022-65 ENT(m)/EMP(e)/EMP(b)/EMP(t) Pq-4 LIP(c)/SSD/APHC AFFIDC/ESD(c)/ESD(t) JD/WH/MLH
ACCESSION NR: AT4046996 S/0609/64/000/00 L

AUTHOR: Yunggov, M.

TITLE: Effect of electrical treatment on excited luminescence in crystalle

SOURCE: AN UzSSR. Institut yadernoy fiziki. Radiatsionny*ye effekty* v kondense i vanny*kh eredakh (Radiation effects in condensed media). Tashkani. Indiana Nauko UzSSR, 1964, 12-16

TOPIC TAGS: quartz crystal, electrical treatment, proton hombardment, the tree; escence, luminoscence curve, quartz structure



L 11022-65

ACCESSION NR: AT4046906

structure by proton bombardment. It is therefore insensitive to all the which also destroys the crystal lattice. Also, protons can play the pensating for defect charges. Maxima II and III are transformed by process, causing a rearrangement of the oxide lattice and transfer the direction of the electrodes. The behavior of the cathode layers is related (possibly of type E) which are responsible for maxima III and IV and it

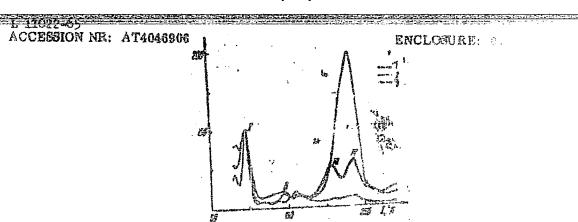
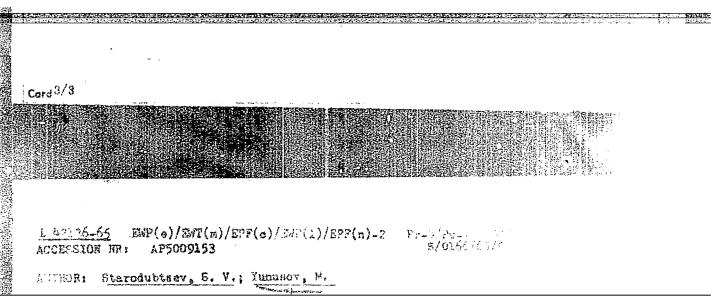


Fig. 1. Luminescence curves of quartz irradiated by protons: 1 - helper treatment; 2, 3 - after electrical treatment of the near-anode and near cause respectively. Oridinate = photon flux in relative units.



TITLE: Effect of Gamma irradiation on the fluorescence yield of the SCURCE: AN UESSR. Investiya. Series fizino-matematichestic managements of the luminescence quenching

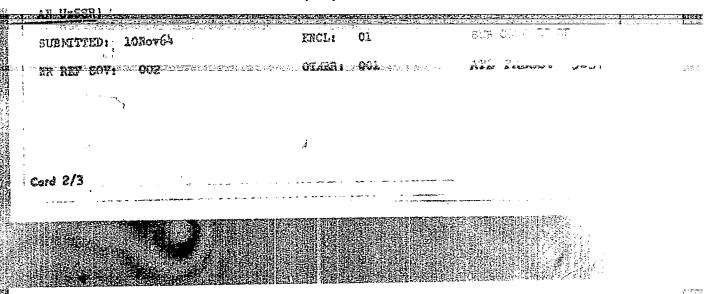
ABSTRACT: This is a continuation of an earlier study (Izv. All interescence of irradiated ruby. The present article reports the fluorescence of irradiated ruby. The present article reports the fluorescence of irradiated ruby. The present article reports the pink ruby containing ~0.00% chronium. The test set-up is shown Enclosure. The measurements consisted in comparing the luminescence of irradiation and after irradiation at a fixed dose. The

Cerd 1/3



L 42136-65 ACCESSION NR: AP5009153

several thousand Roentgen results in an appreciable reduction of the shape of the intensity vs. wavelength curve remains practically dises. It is therefore concluded that the color centers produced irradiation of the raby do not contribute to its luminescence.

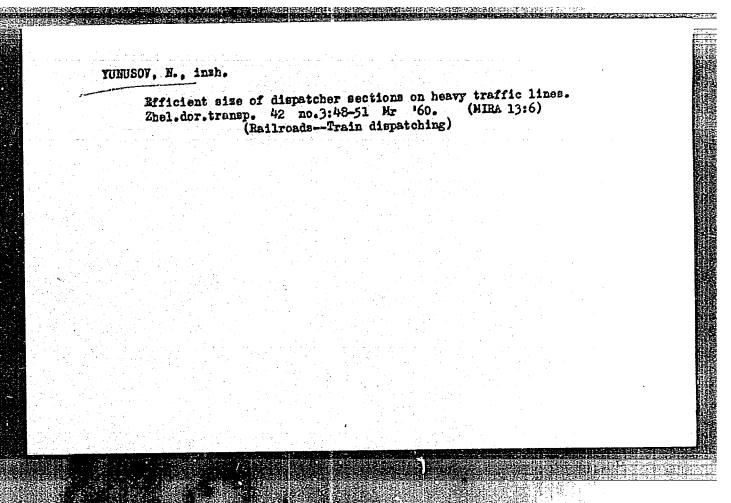


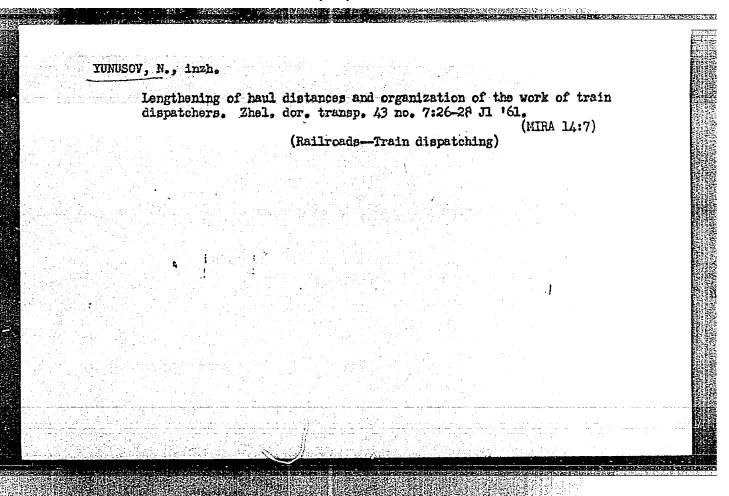
YUNUSOV, M.S.; AERAMOV, S.T.; YUNUSOV, S.Yu.

Alkaloids of Corydalis gortschakivi and Corydalis pseudoadunga.
Dokl. AN SSSR 162 nc.3:607-609 My '65. (MIPA 18:5)

1. Institut khimii rastitel'nykh veshchestv AN UzSSR. 2. Chlenkorrespondent AN SSSR (for S.Yu.Yunusov).

L 29102-66 EMT(1) RO SOME CONTRACTOR OF THE PROPERTY OF THE PROPERT ACC NR. AP6019415 AUTHOR: Minusov, M. S.; rastitelinykh vesichesty AN 2255 TIME: investigs of the almost of a lost the pseudoadinca SCURCE: AN SSSR. oklady, v. 161, v. 7, v. , of 1-4 TOTO TAOS: alka wid, plant oner toy topin, isocorydine, and an alkalida at the stituting groups in positions of and a The underground parts of Common the bases A, B, and C. The transfer at the dextro rotatory form of the ACC base C is di-bid continue And the service state ester of which was to some the the coramine is suggested for the first terms. SUP CCDE: G7, TE / CERT VIEW CONTROL OF THE TERM Card 1/2 10



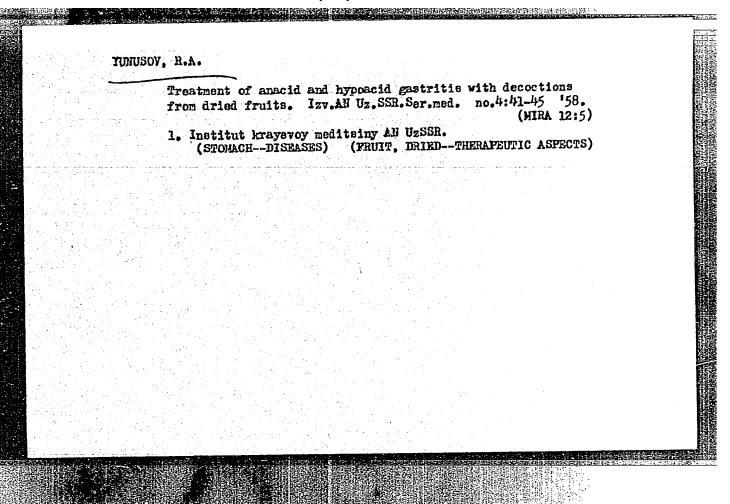


YUNUSOV, H.K.

Considering upper strata errors in reflected-wave hodographs related to data on the eastern borderlands of the Russian Platform.

Prikl.geofiz. no.17:115-129 157. (MIRA 11:2)

(Russian Platform--Seismometry)



Effectiveness of treating rheumocarditis with corticosteroid hormones. Kaz.med.zhur. no.5:3-8 S-0'60. (MIRA 13:11) 1. Iz 3-y kafedry terzpii (zav. - chlen-korrespondent APN SSSR, prof. I.i.Kassirskiy) TSentral'nogo instituta usovershenstvovaniya vrachey. (RHEUMATIC HEART DISEASE) (STEROIDS)

KASSIRSKIY, G.I.; YUNUSOV, R.A. (Moskva)

Observations on the dynamics of the phonocardiogram in patients with rheumocarditis. Vrach.delo no.11:40-43 N '60. (MIRa 13:11.

1. Tret'ya kafedra terapii (zav. - chlen-korrespondent AMN SSSR, prof. I.A.Kassirskiy) TSentral'nogo instituta usovershenatyovaniya vrachey.

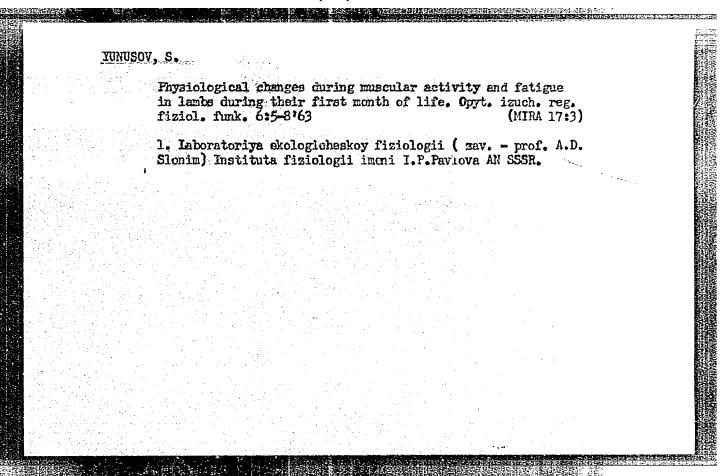
(HEART--SOUNDS) (RHEUMATIC HEART DISEASE)

Combined treatment of protracted septic endocarditis. Vop.revm. 1 no.4152-57 O-D '61. 1. Iz 3-y kafety terapli (zav. - chlen-korrespondent AMN SESR prof. I.A. Kassirskiy) Tsentral nogo instituta usovershenstvovaniya vrachey, Moskva. (KNDOCARDITIS) (ADRENOCORTICAL HOPMONES)

Dissertation defended at the Institute of Physiology inent I. T. Favlov for the academic degree of Candidate of Biological Sciences:

"Effect of Fish Temperature, F virunent, and Museular Artists on Career Exchange and Cardiac (what in America and Mild Figures."

Vestnik Akad Mauk, Fo. 4, 1963, pp. 119-145



RASHEVSKAYA, D.A.; YUNUSOV, S.

Changes in the blood sugar content of lambs during muscular activity and fatigue. Opyt isuch. reg. fiziol. funk. 6: 9=11 '63 (MIRA 17:3)

1. Laboratoriya ekologicheskoy fiziologii (zav. - prof. A.D. Slonim) Instituta fiziologii imeni I.P.Pavlova AN SSSR.

Effect of preliminary wetting of the K12 Verkhnyaya Marianna seam on the quality of mined coal. Ugol 37 no.3:47-48 Mr '62.					
	(MIRA 15:2) 1. Moskovskiy gornyy institut i Shakhta No.120 Karagandinskogo				
	basseyna.				
	(Karaganda BasinCoal mines and mining) (Mine dusts)				
	그리고 하는 경우가 모양될 것이 그와 하는 것이 없는 것이다.				
	지수는 제 이번 성을 받아 하고 사회가는 사람은 사람이 되는 것이다.				
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	이 것이 되고 있는 이번 경우 선생님 사람이 그 사람이 되었다.				
الجروات فالأجاف إفايا بالحاؤات					
보통화 원인 경영 하는					
그 살이 다른 생각하다 이 뭐라.					

"The Alkaloids of Roemeria Refracta D. C.", III "The Alkaloids of a Plant of the Family Papaveraceae", Zhur. Obshch. Khim., 9, No. 15, 1939. Alkaloid Department. Scientific-Research Chemico Pharmaceutical Institute imeni S. Ordahonikidze. Received 15 Jan 1939.

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